

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A disc brake comprising:  
a caliper;

two brake shoes, which are pressable against both sides of a brake disc and which in relation to a peripheral force generated upon application of the brake shoes against the brake disc are supported against a vehicle-fixed carrier, wherein the peripheral force in dependence upon a direction of rotation of the brake disc acts in one of two opposite peripheral force directions;

at least one device for at least one of measuring and converting the peripheral force, the device being disposed in a force transmission chain between at least one of the brake shoes and the carrier; and

at least one force transmission member, which is disposed between at least one of the brake shoes and the device for at least one of measuring and converting the peripheral force; and

a guide for guiding movement of the at least one force transmission member, the guide being rigidly attached to the carrier at a run-out side of the disc brake;

which wherein the at least one force transmission member is movable relative to the carrier under guidance in a plane parallel to the brake disc such that a transverse force introduced into the force transmission member by the brake shoe is substantially not transmitted to the device for at least one of measuring and converting the peripheral force, and wherein the at least one force transmission member is disposed at one side relative to the caliper in order to take up and transmit the generated peripheral force in only one of the two peripheral force directions.

2. (Cancelled)

3. (Withdrawn) The disc brake according to claim 1, wherein the force transmission member is guided in a translatory manner.

4. (Previously Presented) The disc brake according to claim 1, wherein the force transmission member is guided in a rotary manner.

5. (Previously Presented) The disc brake according to claim 4, wherein the force transmission member is a swivel element, which has a swivelling axis parallel to an axis of rotation of the brake disc.

6. (Previously Presented) The disc brake according to claim 5, wherein the swivel element is coupled to the carrier.

7. (Previously Presented) The disc brake according to claim 1, wherein one force transmission member is disposed at each opposite side of the brake disc.

8. (Previously Presented) The disc brake according to claim 7, wherein for each force transmission member a separate device for at least one of measuring and converting the peripheral force is provided.

9. (Withdrawn) The disc brake according to claim 7, wherein the force transmission members disposed at opposite sides of the brake disc are coupled to one another.

10. (Withdrawn) The disc brake according to claim 9, wherein for the coupled force transmission members a common device for at least one of measuring and converting the peripheral force is provided.

11. (Withdrawn) The disc brake according to claim 1, wherein the device for at least one of measuring and converting the peripheral force is integrated into the force transmission member.

12. (Previously Presented) The disc brake according to claim 1, wherein the device for at least one of measuring and converting the peripheral force comprises a force sensor.

13. (Withdrawn) The disc brake according to claim 1, wherein the device for at least one of measuring and converting the peripheral force comprises a force/pressure transducer and a pressure sensor.

14. (Previously Presented) The disc brake according to claim 1, wherein the force transmission member is profiled at a region interacting with the at least one brake shoe and wherein the at least one brake shoe has a complementary profiling.

15. (Currently Amended) A vehicle brake system having a disc brake, the disc brake comprising:

a caliper;

two brake shoes, which are pressable against both sides of a brake disc and which in relation to a peripheral force generated upon application of the brake shoes against the brake disc are supported against a vehicle-fixed carrier, wherein the peripheral force in dependence upon a direction of rotation of the brake disc acts in one of two opposite peripheral force directions;

at least one device for at least one of measuring and converting the peripheral force, the device being disposed in a force transmission chain between at least one of the brake shoes and the carrier; and

at least one force transmission member, which is disposed between at least one of the brake shoes and the device for at least one of measuring and converting the peripheral force; and

a guide for guiding movement of the at least one force transmission member, the guide being rigidly attached to the carrier at a run-out side or a run-in side of the disc brake;

which wherein the at least one force transmission member is mounted on the guide at one side relative to the caliper and is movable relative to the carrier under guidance in a plane parallel to the brake disc such that a transverse force introduced into the force transmission member by the brake shoe is substantially not transmitted to the device for at least one of measuring and converting the peripheral force, and wherein the at least one force transmission member ~~is disposed at one side relative to the caliper in order to~~ takes up and transmits the generated peripheral force in only one of the two peripheral force directions.

16. (Currently Amended) A disc brake comprising:
- a brake carrier adapted to be rigidly fixed to a vehicle:
  - a caliper which is carried by the brake carrier and overlaps a brake disc for introducing a braking force into the brake disc;
  - two brake shoes, which are pressable via the caliper against both sides of the brake disc and which in relation to a peripheral force generated upon application of the brake shoes against the brake disc are supported against upstanding parts of the brake carrier adjacent the brake shoes, wherein the peripheral force in dependence upon a direction of rotation of the brake disc acts in one of two opposite peripheral force directions;
  - at least one device for at least one of measuring and converting the peripheral force, the device being disposed in a force transmission chain between at least one of the brake shoes and the brake carrier; and
  - at least one force transmission member, which is disposed between at least one of the brake shoes and the device for at least one of measuring and converting the peripheral force; and
  - a guide for guiding movement of the at least one force transmission member, the guide being rigidly attached to the carrier at a run-out side of the disc brake;
  - which wherein the at least one force transmission member is movable relative to the brake carrier under guidance in a plane parallel to the brake disc such that a transverse force introduced into the force transmission member by the brake shoe is substantially not transmitted to the device for at least one of measuring and converting the peripheral force, and wherein the at least one force transmission member is disposed at one side relative to the caliper in order to take up and transmit the generated peripheral force in only one of the two peripheral force directions.